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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/072,517	02/06/2002	Lawrence J. Fronczak	Verizon-24	2883

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EXAMINER

BUI, BING Q

ART UNIT	PAPER NUMBER
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2642

DATE MAILED: 02/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/072,517	Applicant(s) FRONCZAK, LAWRENCE J.	
	Examiner Bing Q Bui	Art Unit 2642	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 February 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-19 are pending in the application for examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Martinez (US Pat No. 6,721,395).

Regarding claim 1, referring to Figure 2, Martinez teaches a method of providing an automatic route selection (ARS) service comprising the steps of:

implementing an ARS table in a location external to a telephone switch (see Fig 2 and col. 5, ln 52-col. 7, ln 13);

operating a service control point to access said ARS table and to determine as a function of information included therein a route index (see Fig 2 and col. 5, ln 52-col. 7, ln 13); and

transmitting a message to a signal switching point including the route index (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 2, referring to Figure 2, Martinez teaches the method of claim 1, wherein the signal switching point is a telephone switch which is coupled to a plurality of trunks over which calls can be routed, method further comprising operating said telephone switch to route a call over a trunk identified by the route index included in said message (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 3, referring to Figure 2, Martinez teaches the method of claim 2, wherein said message is one of a Forward Call message and an Analyze Route message (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 4, referring to Figure 2, Martinez teaches the method of claim 2, further comprising using a conditional logic operation performed by said service control point in addition to information included in the ARS table to determine the route index from a plurality of possible route indices (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 5, referring to Figure 2, Martinez teaches the method of claim 3, wherein said ARS table is implemented at said service control point (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 6, referring to Figure 2, Martinez teaches the method of claim 5, wherein said ARS table includes route selection information for a first ARS service subscriber, the method further comprising

providing an additional ARS table in said telephone switch, the additional ARS table also including selection information for the first ARS service subscriber (see Fig 2 and col. 5, ln 52-col. 7, ln 13); and

using said additional ARS table to perform an automatic route selection operation when providing a switch based telephone service to the first ARS service subscriber (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 7, referring to Figure 2, Martinez teaches a method of providing an automatic route selection service using a service control point, the method comprising:

receiving automatic route selection service information corresponding to a service subscriber (see Fig 2 and col. 5, ln 52-col. 7, ln 13); and

selecting a method for implementing the automatic route selection service for the service subscriber, from a plurality of different implementation methods, as a function of type of telephone switch which serves as an end office switch for said service subscriber, a first one of the plurality of different implementation methods using a switch based automatic route selection table, a second one of the plurality of different implementation methods using a non-switch based automatic route selection table (see Fig 2 and col. 5, ln 52-col. 7, ln 13); and

incorporating automatic route selection information used to implement the selected automatic route selection method into a call processing record accessible by a service control point (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 8, referring to Figure 2, Martinez teaches the method of claim 7, wherein the non-switch based automatic route selection table is implemented in a service control point (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 9, referring to Figure 2, Martinez teaches the method of claim 8, further comprising, following said incorporating step when said second method of implementing an automatic route selection service is selected:

operating the service control point to determine from an automatic route selection table, using call information received from a telephone switch, a telephone trunk identifier (see Fig 2 and col. 5, ln 52-col. 7, ln 13); and

transmitting the telephone trunk identifier determined from the automatic route selection table to a telephone switch (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 10, referring to Figure 2, Martinez teaches the method of claim wherein the telephone trunk identifier is route index; and wherein the transmitted message is one of Forward Call message and an Analyze Route message (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 11, referring to Figure 2, Martinez teaches the method of claim 8, wherein selecting a method for implementing the automatic route selection service for the service subscriber, is further performed as a function of the complexity of the automatic route selection logic required to provide the automatic route selection service to the service subscriber (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 12, referring to Figure 2, Martinez teaches a system for providing an automatic route selection service to an automatic route selection service subscriber, the system comprising:

a telephone switch coupled to a telephony device used by said subscriber (see Fig 2 and col. 5, ln 52-col. 7, ln 13); and

a service control point coupled to said telephone switch, the service control point including control logic used to access a non-switch based automatic route selection table as part of a service control point based automatic route selection service provided to said service subscriber (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 13, referring to Figure 2, Martinez teaches the system of claim 12, wherein the service control point includes said non-switch based automatic route selection table (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 14, referring to Figure 2, Martinez teaches the system of claim 13, wherein the non-switch based automatic route selection table includes at least one portion of a telephone number and a corresponding route index (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 15, referring to Figure 2, Martinez teaches the system of claim 15, wherein the route index identifies at least one trunk line coupled to said telephone switch (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 16, referring to Figure 2, Martinez teaches the system pf claim 15, wherein said telephone switch includes a switch based automatic route selection table used by said switch to provide a switch based automatic route selection service to said service subscriber (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 17, referring to Figure 2, Martinez teaches the system of claim 16, further comprising: an advanced intelligent network trigger set at said switch, the advanced intelligent network trigger being responsive to calls initiated by said

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subscriber; and means for sending a message to the service control point in response to activation of said trigger (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 18, referring to Figure 2, Martinez teaches the system of claim 17,

wherein at least a portion of said control logic is included in a call processing record associated with the service subscriber (see Fig 2 and col. 5, ln 52-col. 7, ln 13); and wherein said service control point includes: means for accessing the call processing record associated with the service subscriber in response to a message sent from said switch in response to activation of said trigger (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Regarding claim 19, referring to Figure 2, Martinez teaches the system of claim 18, wherein the service control point is implemented as part of an integrated service control point, the integrated service control point further including means for selecting a method for implementing the automatic route selection service for the service subscriber, from a plurality of different implementation methods, as a function of type of telephone switch which serves as an end office switch for said service subscriber, a first one of the plurality of different implementation methods using a switch based automatic route selection table, a second one of the plurality of different implementation methods using a non-switch based automatic route selection table (see Fig 2 and col. 5, ln 52-col. 7, ln 13).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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The following patents are cited to further show the state of the art in general:

U.S. Pat. No. 5,805,688

U.S. Pat. No. 6,442,267

U.S. Pat. No. 6,823,058

U.S. Pat. No. 6,850,600

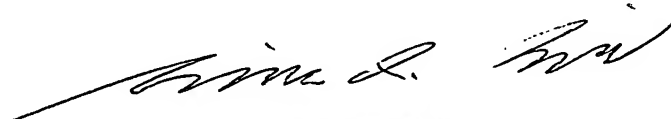
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bing Bui whose telephone number is (703) 308-5858.

The examiner can normally be reached on Monday through Thursday from 7:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar, can be reached on (703) 305-4731. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306 and for formal communications intended for entry (please label the response ☐EXPEDITED PROCEDURE☐) or for informal or draft communications not intended for entry (please label the response "PROPOSED" or "DRAFT").

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

03 Jan 2005



BING Q. BUI
PRIMARY EXAMINER